



4-6-4

TURF ESTABLISHMENT & SOIL BUILDER

**KNOWN WORLDWIDE FOR SIMPLY THE BEST...
...NATURAL FERTILIZER & SOIL BUILDERS!**

SUSTANE® 4-6-4 GRANULAR **AN EXCEPTIONAL STARTER FERTILIZER**

Recommended Use

Sustane 4-6-4 is a specific all-purpose organic turf establishment and soil amendment fertilizer for use in all grow in pre-planting, seeding, sprigging, and turf installation projects.

Description

Plant establishment accelerates with total plant nutrition from Sustane, supplying naturally chelated nutrients, carbon, humus and a diverse range of beneficial microbes. 4-6-4 has demonstrated through research to surpass other start-up fertilizers

Professional Grade

Sustane products are derived from biologically stable humus-rich compost and contain both water soluble nitrogen (WSN) and slow release nitrogen (SRN), beneficial microbiology, and all 17 elements essential for plant photosynthesis. With a near-neutral pH, a low salt index and low ammonium nitrogen percentage, Sustane will not cause seedling stress or plant fertilizer "burn". Sustane products increase soil cation exchange capacity (CEC) by supplying humates and stable organic matter. Sustane's organic and blended natural fertilizers provide all soil types with additional buffering capacity, allowing for more consistent and productive growth.

4-6-4 ORGANIC
FERTILIZER DELIVERS
ALL ESSENTIAL NUTRIENTS,
HUMATES, COMPOST-DERIVED
MICROBIOLOGY AND SLOW RELEASE
NITROGEN IN AN EASY-TO-SPREAD
HOMOGENOUS GRANULE

Benefits of Natural and Organic 4-6-4

- Adds approximately 5% humates by volume, increasing cation exchange and organic matter
- Increases nutrient and water holding capacity of the soil, strengthening plant tolerance to hot and dry conditions
- Promotes healthy root development
- Improves buffering against changes in soil pH
- Increases the soil's ability to suppress plant pathogens

Turf Establishment

Turf establishment accelerates with 4-6-4 All Natural Organic Fertilizer from Sustane. Sustane 4-6-4 has been demonstrated time and again to surpass synthetic turf starter fertilizers and other sources of humates and plant biostimulants. While synthetic fertilizers supply plant growth nutrients, they do not supply the organic matter required to maintain quality growth. Using fully composted natural fertilizers increases the levels of beneficial microbial activity, which in turn convert nutrients into plant available forms.



APPLICATIONS AND RATES*

Turf Coverage

IMPERIAL					METRIC				
50-lb. bag covers 2,000 sq. ft. at 1 lb. N per 1,000 sq. ft.					22.67-kg. bag covers 186 sq. m. at 0.5 kg. N per 100 sq. m.				
Standard Appl. Rates	Appl. Rate Lb. Product per 1,000 ft. ²	Supplies Lb. N per 1,000 ft. ²	Appl. Rate Lb. Product per Acre	Supplies Lb. N Per Acre	Kg. Prod. Per 100 m ²	Appl. Rate Grams Prod. Per 1 m ²	Supplies Grams N Per 1 m ²	Appl. Rate Kg. Prod. Per Hectare	Supplies kg. N Per Hectare
Full Rate	25	1	1090	44	12.2	122	4.9	1220	48.8
Half Rate	12.5	0.5	545	22	6.1	61	2.4	610	24.4
Quarter Rate	6.25	0.25	272	11	3.1	31	1.2	305	12.2

Cool Season Grasses

Golf course fairways, roughs, collars, sports fields, parks, and lawncare

Standard maintenance rates:

Spring, Summer, Fall- 8-16 lb. per 1000 ft² (3.5 to 8.5 kg per 100 m²)

Warm Season Grasses

Golf course fairways, roughs, collars, sports fields, parks, and lawncare

Standard maintenance rates:

Summer - 16 lb. per 1000 ft² (8.5 kg per 100 m²)

Spring, Fall - 25 lb. per 1000 ft² (12 kg per 100 m²)

For Turf Establishment, Seeding, New Lawn Construction, Laying Sod and Sprigging

Preplant - Broadcast and incorporate into top 4 in. (10 cm) of soil

12.5 kg - 25 kg per 100 m² (25 lb. to 50 lb. per 1000 ft²)

Postplant - 45-60 days - Broadcast and water in 16 lb. to 25 lb.

per 1000 ft² (8 kg to 12.5 kg per 100 m²)

Overseeding - Apply 25 lb. per 1,000 ft² (8 kg to 12.5 kg per 100 m²) at time of overseeding

Hydroseeding - Add 25 lb. per 1,000 ft² (8 kg to 12.5 kg per 100 m²) in tank with binder



*NOTE: ADJUST FERTILIZER PROGRAM FOR LOCAL CONDITIONS AND REQUIREMENTS.

Item #	Package Size	Units / Pallet
Sustāne 4-6-4		
<i>FINE GRADE, 100 SGN (1.4 .mm - 0.6 mm)</i>		
30-20-1311	50 lb. bags	40 bags / pallet
30-20-1351	1-ton tote	1 tote / pallet
30-20-1375 (international)	22.7 kg bags	44 bags / ISPM pallet
<i>MEDIUM GRADE, 200 SGN (2.8 mm - 1.4 mm)</i>		
30-20-1111	50 lb. bags	40 bags / pallet
30-20-1151	1-ton tote	1 tote / pallet
30-20-1175 (international)	22.7 kg bags	44 bags / ISPM pallet



4-6-4 Guaranteed Analysis

Total Nitrogen (N)	4%
0.4% Ammoniacal Nitrogen	
0.4% Other Water Soluble Nitrogen	
3.2% Water Insoluble Nitrogen*	
Available Phosphate (P ₂ O ₅)	6%
Soluble Potash (K ₂ O)	4%
Calcium (Ca)	4%
Magnesium (Mg).....	0.75%
Sulfur (S).....	1%
Iron (Fe).....	0.25%

Derived from aerobically composted turkey litter, feather meal, bone meal, and sulfate of potash.

*3.2% slowly available nitrogen from aerobically composted turkey litter and feather meal

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.html>